

Algebra 2
Multiplication of Complex Numbers WS #6

Name _____

Simplify.

1) $(3 + 5i)(1 + 2i)$	2) $(6 - 3i)(3 + 2i)$
3) $(7 + 3i)(3 + 4i)$	4) $(2 - 2i)(3 - 2i)$
5) $(5 - 3i)(6 + i)$	6) $(4 + 5i)(1 - 3i)$
7) $(7 - 6i)(3 + 2i)$	8) $(8 - i)(4 + 3i)$
9) $(1 - i)(1 + i)$	10) $(6 - 2i)(6 + 2i)$
11) $(3 + i)^2$	12) $(4 - 2i)^2$
13) $(\sqrt{3} + 2i)(\sqrt{3} - 4i)$	14) $(\sqrt{5} + 3i)(\sqrt{5} + 2i)$
15) $(\sqrt{8} + 2\sqrt{-1})(\sqrt{8} + 3\sqrt{-1})$	16) $(\sqrt{15} + \sqrt{-1})(2\sqrt{15} - \sqrt{-1})$
17) $(5 + 3i\sqrt{2})(3 + i\sqrt{2})$	18) $(6 - 2i\sqrt{2})(2 + i\sqrt{2})$